

FIG. 1

009060 " 090500 005537

```

graph TD
    START([START]) --> S101[INPUT IMAGE AREA RATIO OF TESTING PLATE]
    S101 --> S102[OBTAIN REFERENCE OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS BY USING CONVERSION CURVE (FOR EACH COLOR) OF REFERENCE IMAGE AREA RATIO TO OPENING AMOUNT OF INK FOUNTAIN KEY]
    S102 --> S103[READ INK FEED RATES FOR EACH COLOR]
    S103 --> S104[SET REFERENCE OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS AND INK FEED RATES OF RESPECTIVE COLORS]
    S104 --> S105[ACQUIRE PRINTING SAMPLE]
    S105 --> S106[MEASURE DENSITY OF PRINTING SAMPLE (RESPECTIVE COLORS)]
    S106 --> S107{MEASURED DENSITY COINCIDES WITH REFERENCE DENSITY (RESPECTIVE COLORS) ?}
    S107 -- YES --> END([END])
    S107 -- NO --> S108[ADJUST CORRECTION AMOUNTS (UNIFORM VALUES) OF OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS AND INK FEED RATES OF RESPECTIVE COLORS]
    S108 --> S109[READ CORRECTION AMOUNTS OF OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS]
    S109 --> S110[CORRECT REFERENCE OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS WITH CORRECTION AMOUNTS]
    S110 --> S111[READ INK FEED RATES OF RESPECTIVE COLORS]
    S111 --> S112[SET CORRECTED OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS AND INK FEED RATES OF RESPECTIVE COLORS]
    S112 --> S113[ACQUIRE PRINTING SAMPLE]
    S113 --> S114[MEASURE DENSITY OF PRINTING SAMPLE (RESPECTIVE COLORS)]
    S114 --> S115{MEASURED DENSITY COINCIDES WITH REFERENCE DENSITY (RESPECTIVE COLORS) ?}
    S115 -- YES --> END
    S115 -- NO --> S109

```

FIG. 2

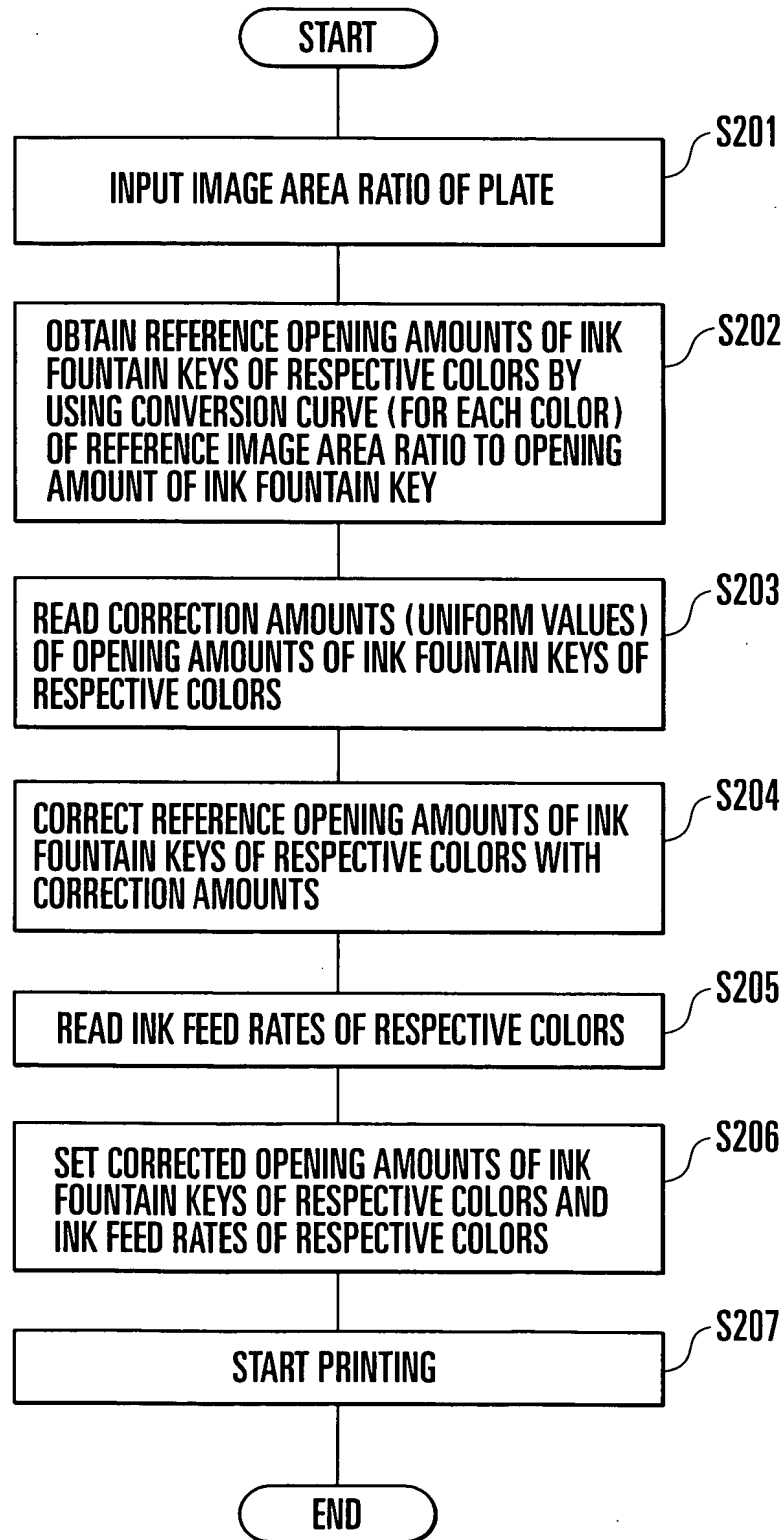


FIG. 3

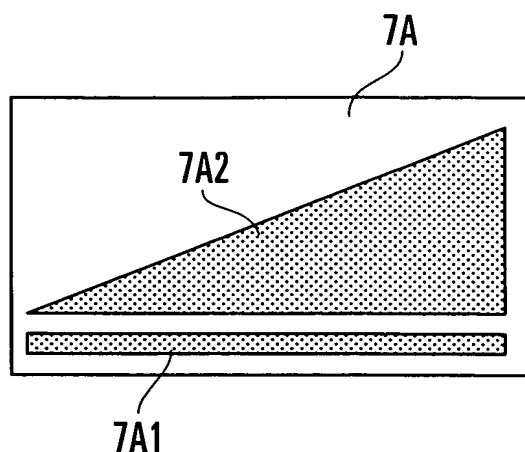


FIG. 4

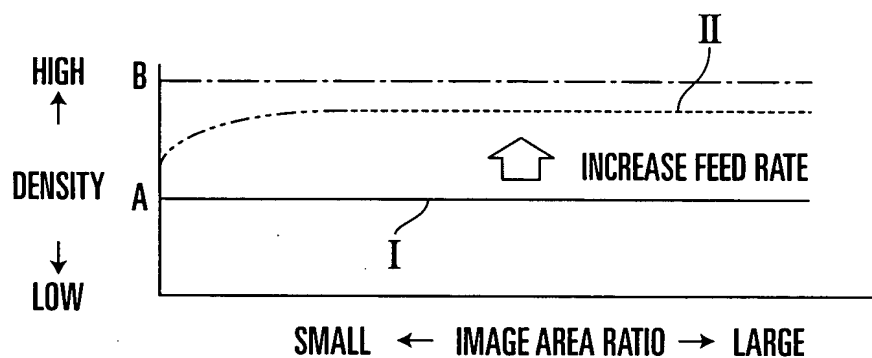


FIG. 5A

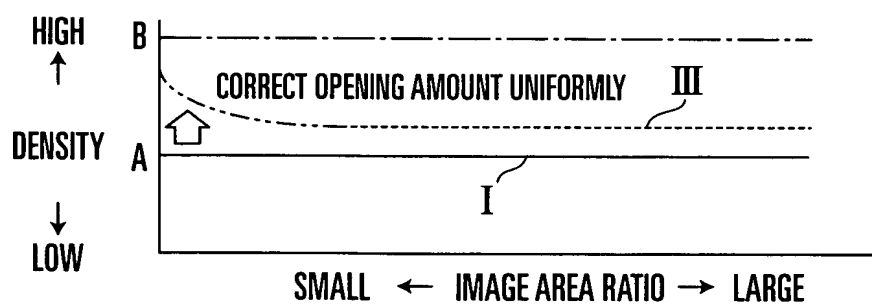


FIG. 5B

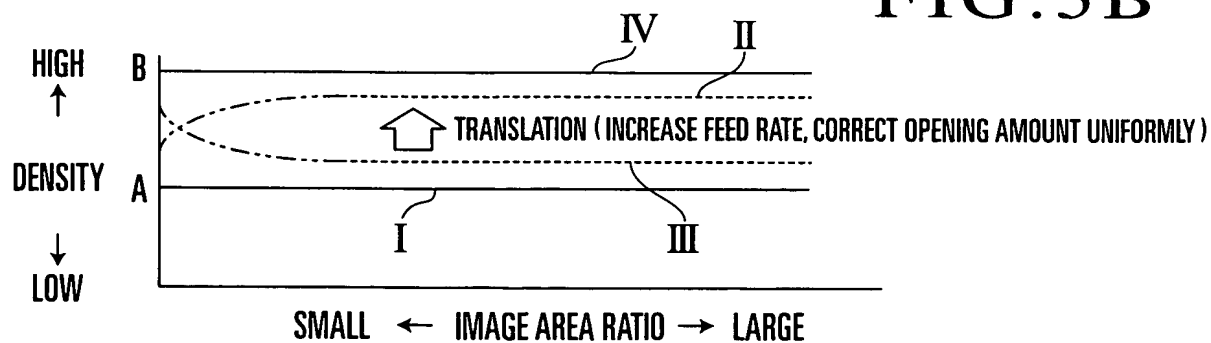


FIG. 5C

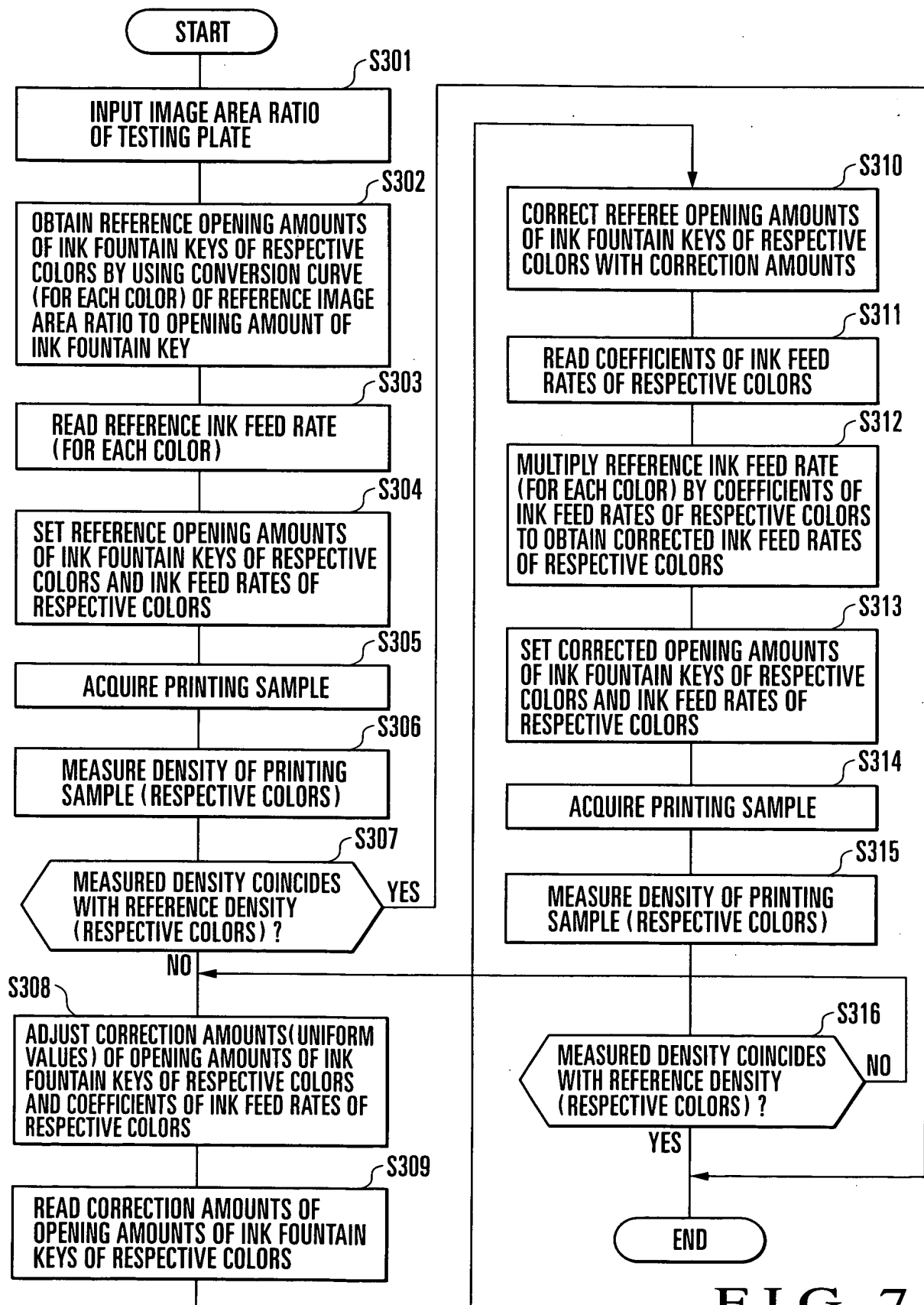


FIG. 7

009060 2.555960

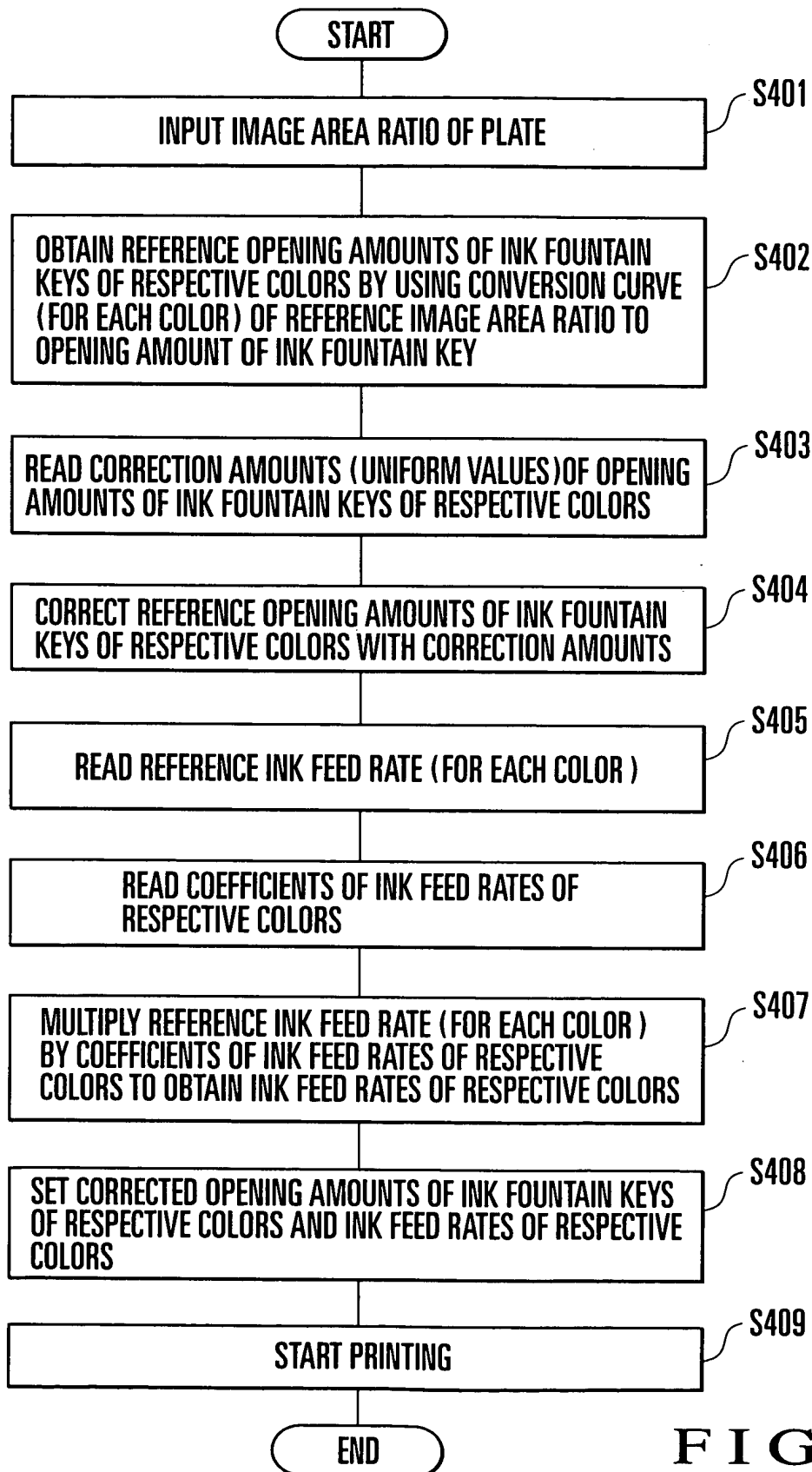


FIG. 8



```

graph TD
    START([START]) -- S501 --> S501[INPUT IMAGE AREA RATIO OF TESTING PLATE]
    S501 -- S502 --> S502[OBTAIN REFERENCE OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS BY USING CONVERSION CURVE (FOR EACH COLOR) OF REFERENCE IMAGE AREA RATIO TO OPENING AMOUNT OF INK FOUNTAIN KEY]
    S502 -- S503 --> S503[READ INK FEED RATES OF RESPECTIVE COLORS]
    S503 -- S504 --> S504[SET REFERENCE OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS AND INK FEED RATES OF RESPECTIVE COLORS]
    S504 -- S505 --> S505[ACQUIRE PRINTING SAMPLE]
    S505 -- S506 --> S506[MEASURE DENSITY OF PRINTING SAMPLE (RESPECTIVE COLORS)]
    S506 -- S507 --> S507{MEASURED DENSITY COINCIDES WITH REFERENCE DENSITY (RESPECTIVE COLORS) ?}
    S507 -- YES --> S508[ADJUST CORRECTION AMOUNTS (UNIFORM VALUES) OF OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS AND INK FEED RATES OF RESPECTIVE COLORS]
    S507 -- NO --> S508
    S508 --> S509[READ CORRECTION AMOUNTS OF OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS]
    S509 -- S510 --> S510[CORRECT REFERENCE OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS WITH CORRECTION AMOUNTS]
    S510 -- S511 --> S511[READ INK FEED RATES OF RESPECTIVE COLORS]
    S511 -- S512 --> S512[SET CORRECTED OPENING AMOUNTS OF INK FOUNTAIN KEYS OF RESPECTIVE COLORS AND INK FEED RATES OF RESPECTIVE COLORS]
    S512 -- S513 --> S513[ACQUIRE PRINTING SAMPLE]
    S513 -- S514 --> S514[MEASURE DENSITY OF PRINTING SAMPLE (RESPECTIVE COLORS)]
    S514 -- S515 --> S515{MEASURED DENSITY COINCIDES WITH REFERENCE DENSITY (RESPECTIVE COLORS) ?}
    S515 -- YES --> END([END])
    S515 -- NO --> S509

```

FIG. 10



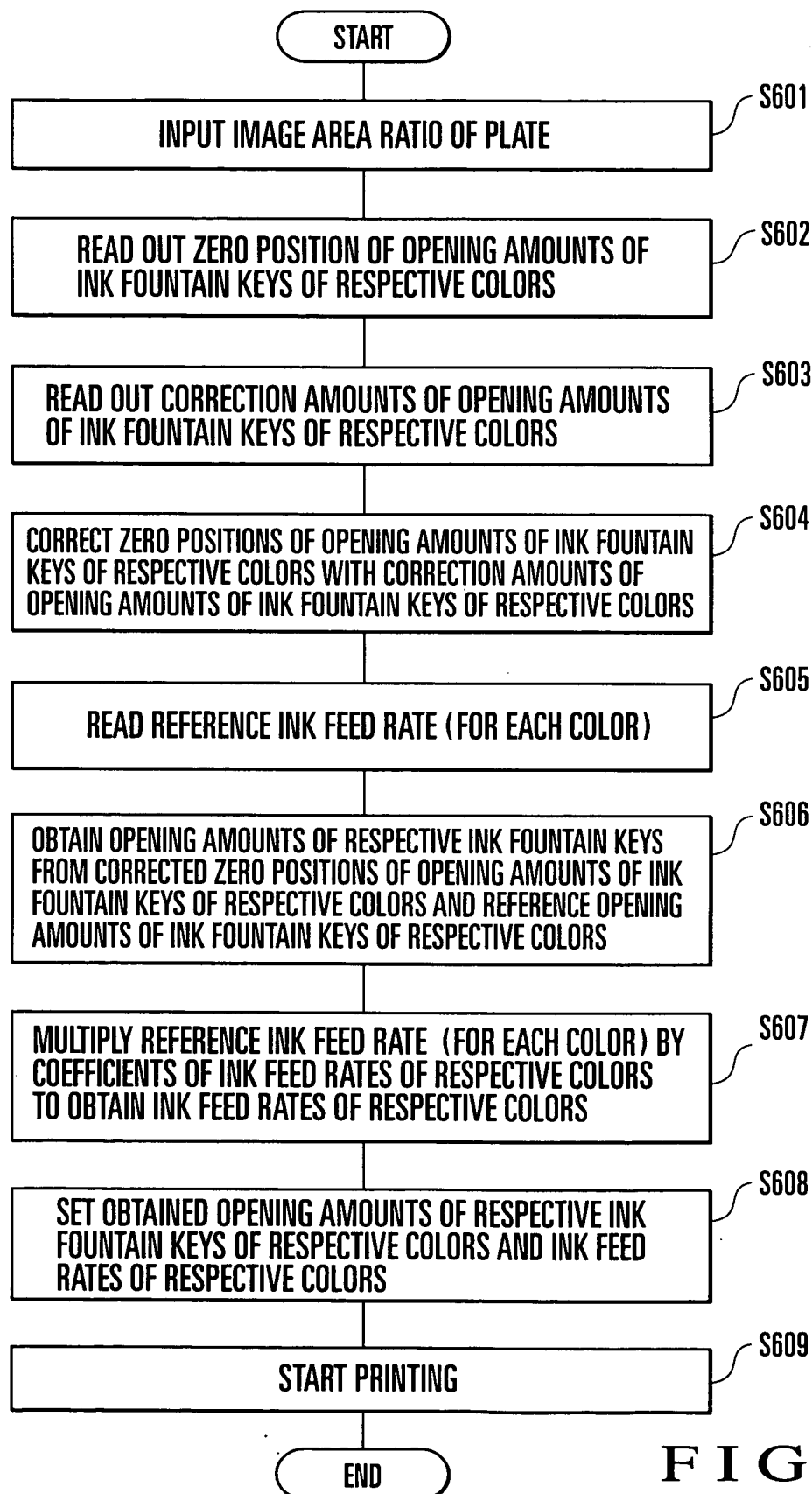


FIG. 11

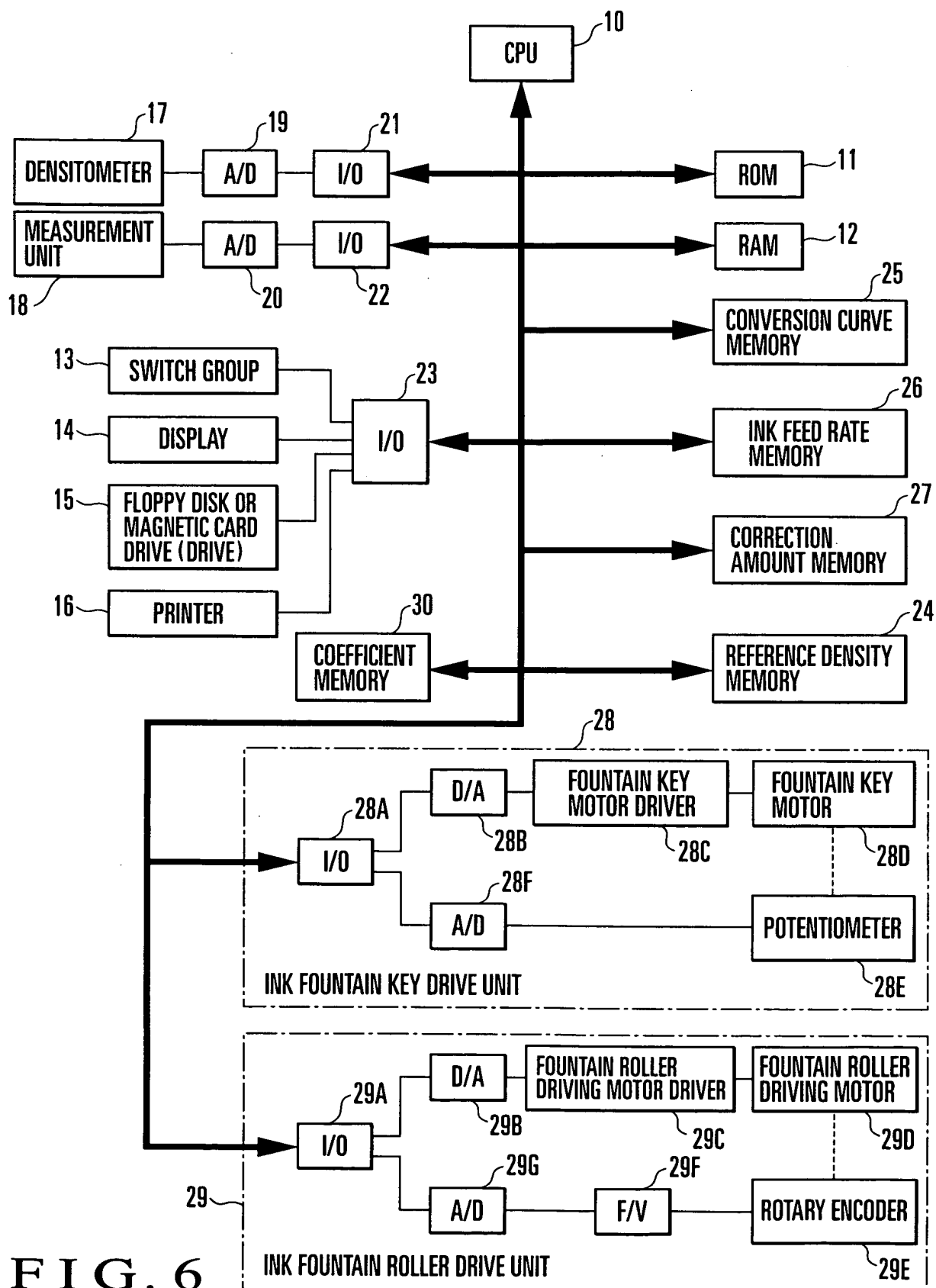
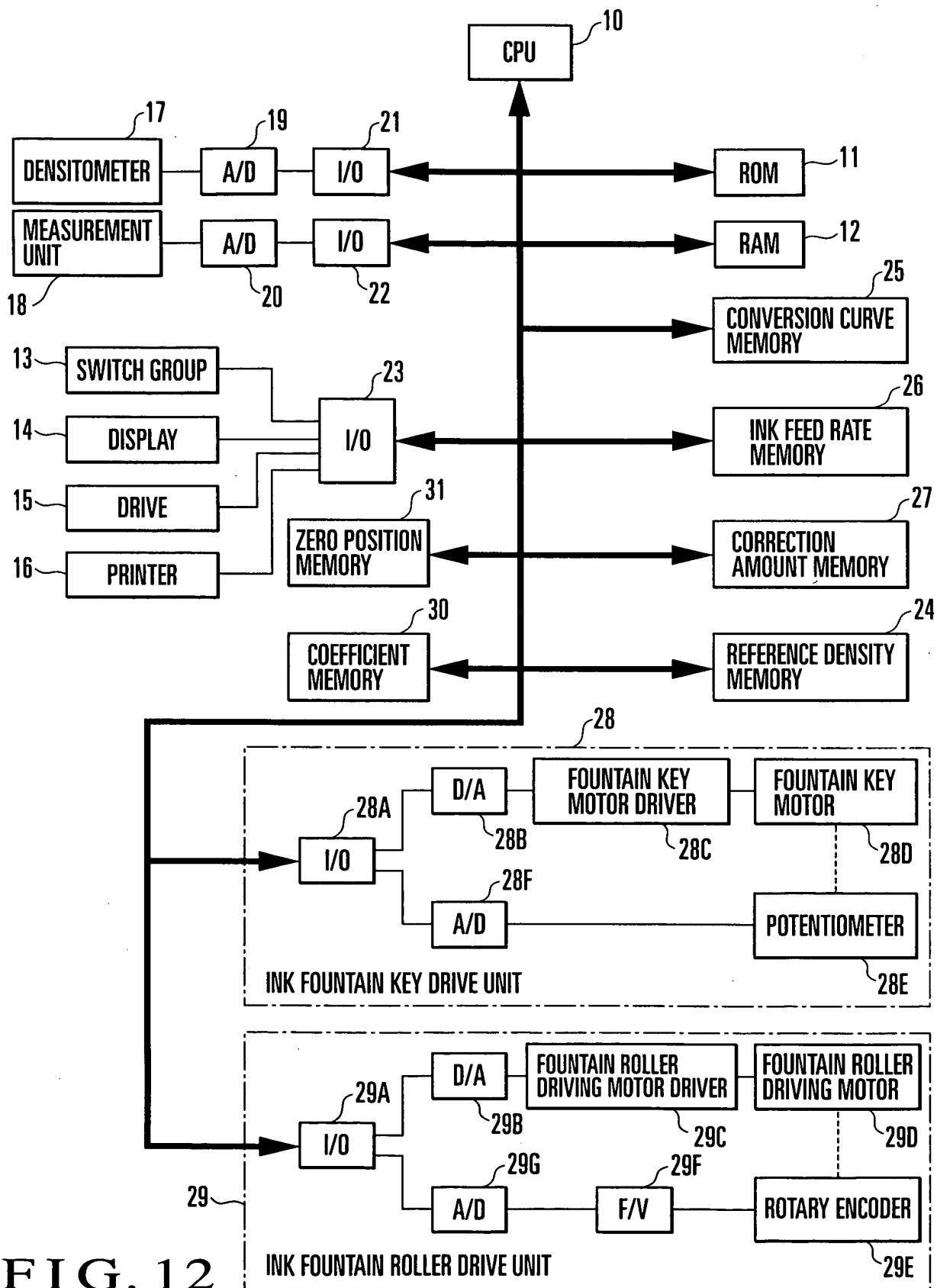


FIG. 6



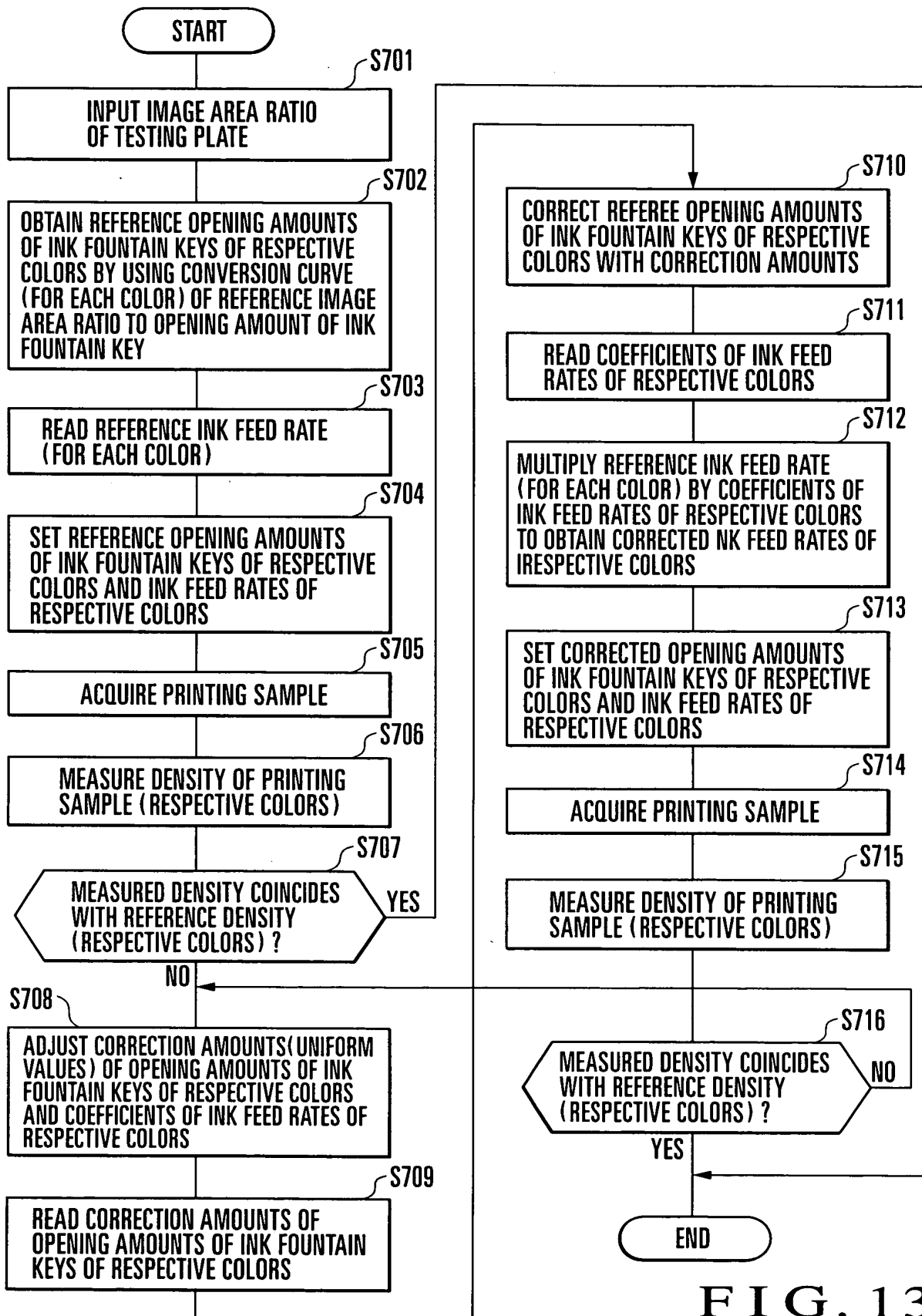


FIG. 13

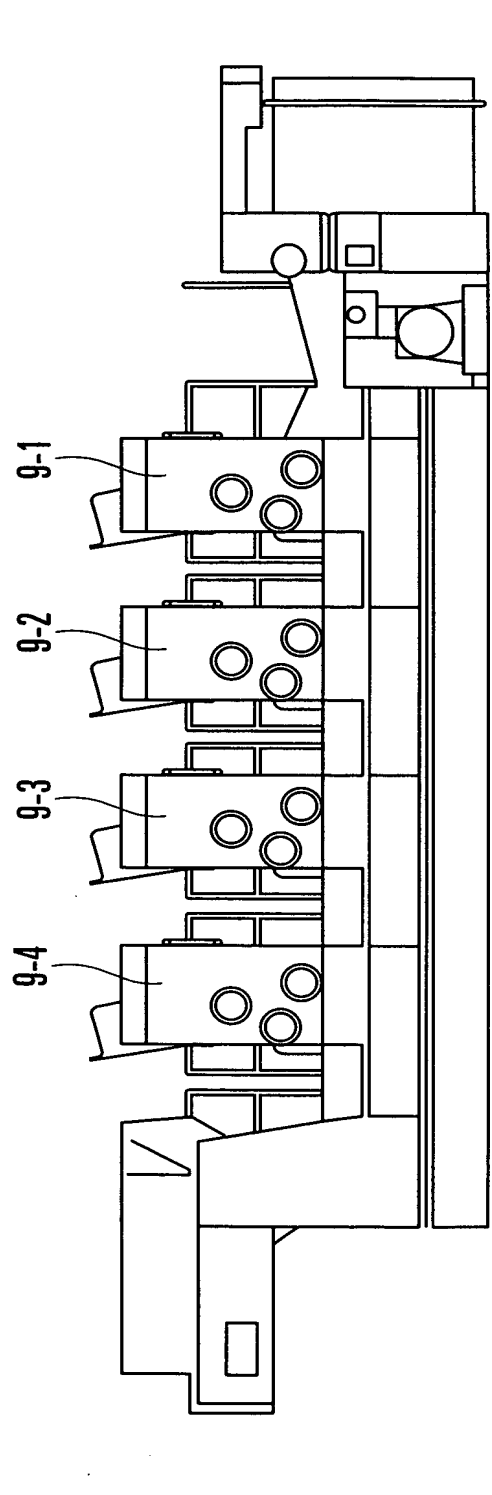


FIG. 16

009060 225555960

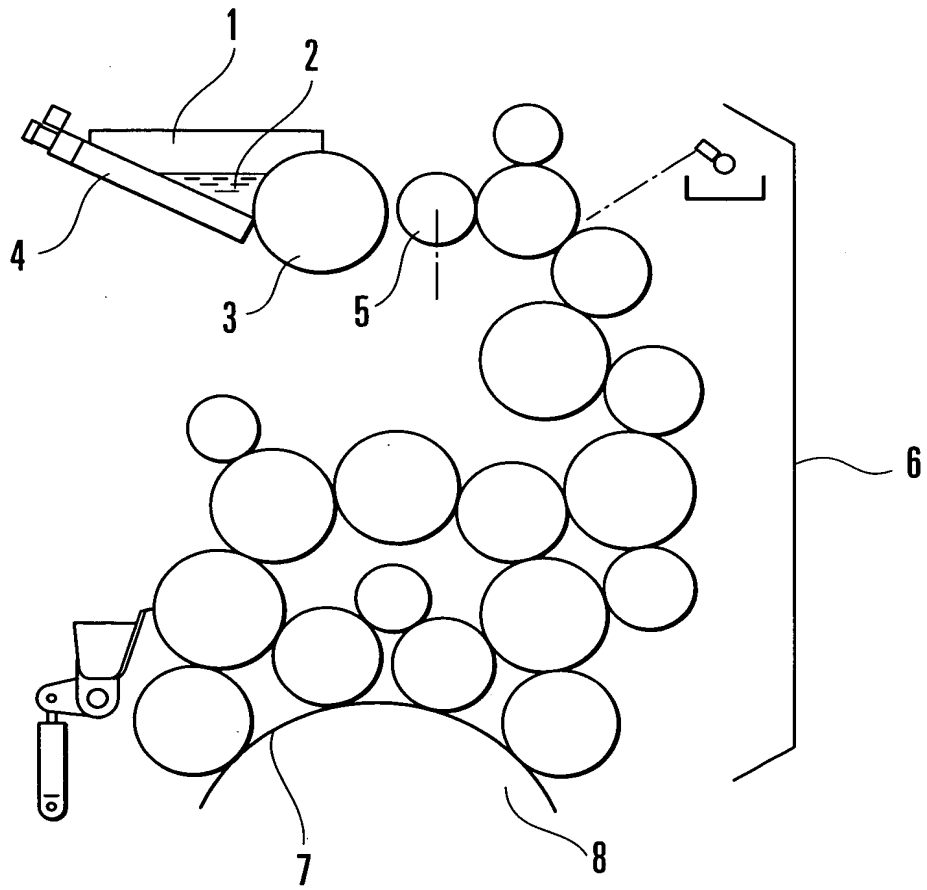


FIG. 15

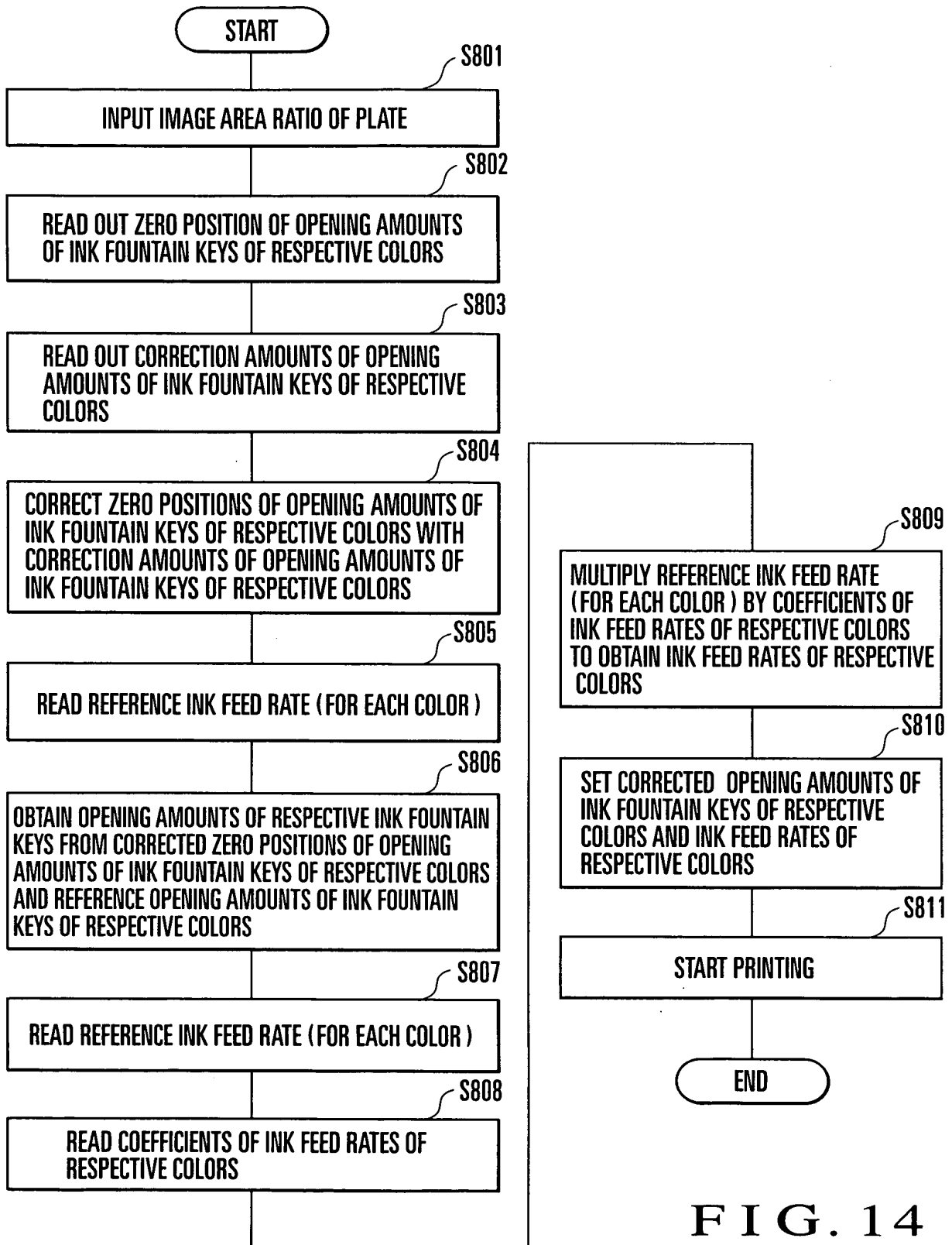


FIG. 14

FIG. 17A

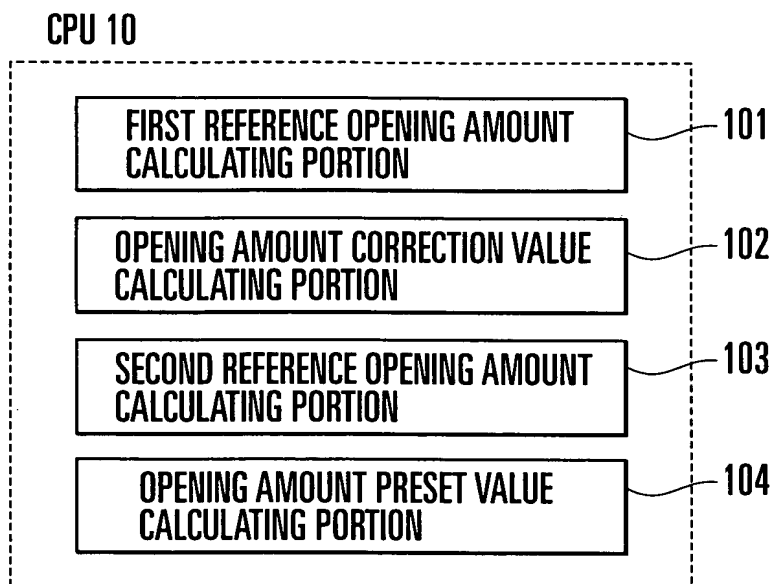


FIG. 17B

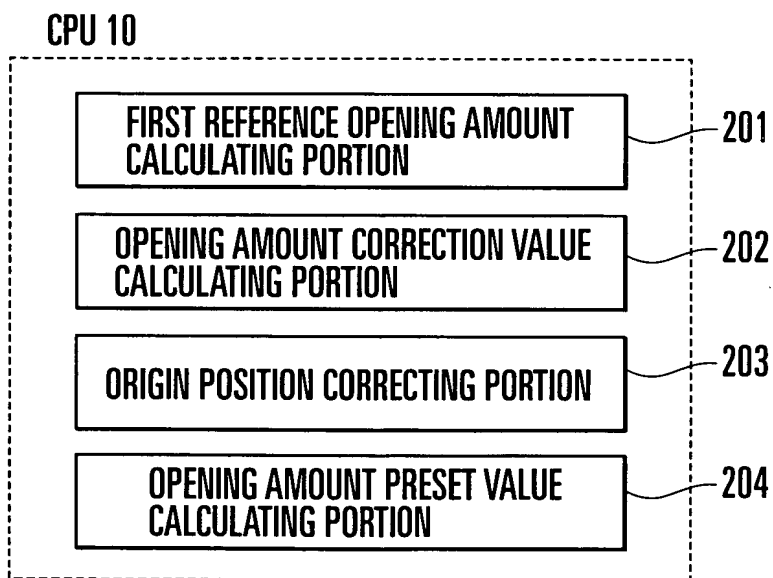


FIG. 17C

